

#4

Sheet 1 of 1

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: December 15, 2000

ATTY DOCKET NO.
2000_1130

SERIAL NO.
09/662,695

APPLICANT
Mitsuaki OSHIMA et al.

FILING DATE
September 15, 2000

GROUP
2614

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	4,636,876	1-13-87	Schwartz	—	—	
↓	AB	4,855,692	8-8-89	Kennard et al.	—	—	
	AC	4,873,701	10-10-89	Tretter	—	—	
	AD	4,958,360	9-18-90	Sari	—	—	
	AE	5,115,453	5-19-92	Calderbank et al.	—	—	
AS	AF	5,168,509	12-1-92	Nakamura et al.	—	—	
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
AS	AJ	0122805	10-24-84	EP	—	—	X	
AS	AK	63-180280	7-25-88	JP	RECEIVED		abstract	
	AL				DEC 21 2000			
	AM				Technology Center 2600			
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	AO	Shanmugam, "Digital and Analog Communication Systems" 1979, p. 272.
AS	AP	"Optimum Weighted PCM for Speech Signals", Sundberg, IEEE Transactions on Communications, Volume COM-26, No. 6, June 1978, Pages 872-881.
	AQ	

EXAMINER Amandate DATE CONSIDERED 03.05.02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#5

Sheet 1 of 1							
FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: January 5, 2001				ATTY DOCKET NO. 2000_1130*		SERIAL NO. 09/662,695	
				APPLICANT Mitsuaki OSHIMA et al.			
				FILING DATE September 15, 2000		GROUP 2614	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	5,243,629	9-7-93	Wei			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	AJ	64-74836	3-20-89	Japan			abstract
	AK	53-108215	9-20-78	Japan			abstract
	AL	63-28145	2-5-88	Japan			abstract
	AM	64-68144	3-14-89	Japan			abstract
AS	AN	5-218978	8-27-93	Japan			X
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AO						
	AP						
	AQ						
EXAMINER <div style="text-align: center; font-family: cursive; font-size: 1.2em;">Amandate</div>				DATE CONSIDERED <div style="text-align: center; font-family: cursive; font-size: 1.2em;">03.05.02</div>			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (mod.)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: April 11, 2001

ATTY DOCKET NO.
2000_1130APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
September 15, 2000SERIAL NO.
09/662,695GROUP
2614

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	5,565,926	10-15-96	Bryan et al.	—	—	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
AS	AJ	2-166979	6-27-90	Japan	—	—	abstract	
	AK							
	AL							
	AM							
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
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DATE CONSIDERED

03.05.02

#8

Sheet 1 of 1

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

Date Submitted to PTO: September 28, 2001

ATTY DOCKET NO.
2000_1130

APPLICANT
Mitsuaki OSHIMA et al.

FILING DATE
September 15, 2000

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09/662,695

GROUP
2614

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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OCT 02 2001
Technology Center 2600

FOREIGN PATENT DOCUMENTS

	AJ	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
<i>AS</i>	AJ	04-196822	7-16-92	Japan	<i>—</i>	<i>—</i>	abstract	
<i>AS</i>	AK	0 506 400	9-30-92	Europe	<i>—</i>	<i>—</i>	X	
	AL							
	AM							
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER *Amandate*

DATE CONSIDERED *03.05.02*

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